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**From:** Coan, Sean [CoanSM@cdmsmith.com]  
**Sent:** 6/8/2017 9:42:58 PM  
**To:** Michael Ritorto [mritorto@rouxinc.com]  
**CC:** Laura Jensen [ljensen@rouxinc.com]; Cirian, Mike [Cirian.Mike@epa.gov]; John.Stroiazzo@glencore-ca.com; Gunnar Emilsson [EmilssonGR@cdmsmith.com]  
**Subject:** RE: Slug Test Field Mod Follow-Up Discussion

That sounds good, Michael. I'll look for your invite.

Have a good weekend,  
-Sean

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**From:** Michael Ritorto [mailto:mritorto@rouxinc.com]  
**Sent:** Thursday, June 08, 2017 3:42 PM  
**To:** Coan, Sean <CoanSM@cdmsmith.com>  
**Cc:** Laura Jensen <ljensen@rouxinc.com>; Cirian.Mike@epa.gov; John.Stroiazzo@glencore-ca.com; Emilsson, Gunnar <EmilssonGR@cdmsmith.com>  
**Subject:** RE: Slug Test Field Mod Follow-Up Discussion

Ok, how about 11am MT, 1pm EST? I can send the invite.

I'm not sure we need the whole team, but I'm just keeping everyone in the loop in case they want to join.

I expect it to be quick. Thanks.

**Michael Ritorto | Principal Hydrogeologist/Office Manager | Roux Associates, Inc.**  
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**From:** Coan, Sean [mailto:CoanSM@cdmsmith.com]  
**Sent:** Thursday, June 08, 2017 5:36 PM  
**To:** Michael Ritorto <mritorto@rouxinc.com>  
**Cc:** Laura Jensen <ljensen@rouxinc.com>; Cirian.Mike@epa.gov; John.Stroiazzo@glencore-ca.com; Emilsson, Gunnar <EmilssonGR@cdmsmith.com>  
**Subject:** RE: Slug Test Field Mod Follow-Up Discussion

Hi Michael,

I can participate in a conference call on Monday. I am free 1000-1300 MDT.

Thanks,  
-Sean

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**From:** Michael Ritorto [<mailto:mritorto@rouxinc.com>]  
**Sent:** Thursday, June 08, 2017 3:32 PM  
**To:** Coan, Sean <[CoanSM@cdmsmith.com](mailto:CoanSM@cdmsmith.com)>  
**Cc:** Laura Jensen <[ljensen@rouxinc.com](mailto:ljensen@rouxinc.com)>; Cirian.Mike@epa.gov; [John.Stroiazzo@glencore-ca.com](mailto:John.Stroiazzo@glencore-ca.com)  
**Subject:** Slug Test Field Mod Follow-Up Discussion

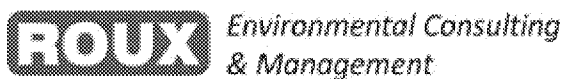
Hi Sean,

Are you available for a quick conference call on Monday to discuss your comments on the CFAC slug test SOPs and field modification document? Specifically, Roux would like to discuss:

- The rationale for conducting four tests at each well using two different displacement values (i.e., minimum 2 tests performed at 1 foot of displacement; minimum 2 additional tests at 2 feet of displacement). We'd like to hear your thoughts on why it's necessary to run two different displacements and we'd like to talk through some of the timing and assumptions of the tests.
- The rationale for placing the pressure transducer 5 feet below the static water level to allow for variable displacement in the pneumatic slug tests. The pneumatic slug test courses and guidance documents that we have reviewed have noted that transducers should be kept at 1.5 feet below the static water level to avoid oscillatory response effects.

Please let me know if you're available and I will set up a conference call meeting. We plan to resubmit the revised modification and SOPs to EPA following this discussion.

**Michael Ritorto | Principal Hydrogeologist/Office Manager | Roux Associates, Inc.**  
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